# FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

**VOLUME 3 OF 4** 



# CAMDEN COUNTY, GEORGIA

AND INCORPORATED AREAS

COMMUNITY NAME	COMMUNITY NUMBER
CAMDEN COUNTY, UNINCORPORATED AREAS	130262
KINGSLAND, CITY OF	130238
ST. MARYS, CITY OF	130027
WOODBINE, CITY OF	130241



**REVISED:** 

PRELIMINARY 12/15/2015

FLOOD INSURANCE STUDY NUMBER 13039CV003B

Version Number 2.3.2.1

# **TABLE OF CONTENTS**

#### Volume 1

		<u>Page</u>
<b>SEC</b> 1.1 1.2 1.3 1.4	- h	1 1 2 2 6
2.1 2.2 2.3 2.4		16 16 23 24 24 24 24 26 27 28
<b>SEC</b> 3.1 3.2	TION 3.0 – INSURANCE APPLICATIONS  National Flood Insurance Program Insurance Zones  Coastal Barrier Resources System	<b>29</b> 29 29
<b>SEC</b> 4.1 4.2 4.3 4.4	·	31 31 31 32 32
<b>SEC</b> 5.1 5.2 5.3	Hydrologic Analyses Hydraulic Analyses Coastal Analyses 5.3.1 Total Stillwater Elevations 5.3.2 Waves 5.3.3 Coastal Erosion 5.3.4 Wave Hazard Analyses Alluvial Fan Analyses	33 33 39 49 50 53 54 54
<b>SEC</b> 6.1 6.2 6.3 6.4 6.5	TION 6.0 – MAPPING METHODS  Vertical and Horizontal Control  Base Map  Floodplain and Floodway Delineation  Coastal Flood Hazard Mapping  FIRM Revisions	60 60 61 62 67 70

# **TABLE OF CONTENTS - continued**

<ul> <li>6.5.1 Letters of Map Amendment</li> <li>6.5.2 Letters of Map Revision Based on Fill</li> <li>6.5.4 Letters of Map Revision</li> <li>6.5.3 Physical Map Revisions</li> <li>6.5.4 Contracted Restudies</li> <li>6.5.5 Community Map History</li> </ul>	70 71 71 72 72 73
SECTION 7.0 – CONTRACTED STUDIES AND COMMUNITY COORDINATION 7.1 Contracted Studies 7.2 Community Meetings	<b>74</b> 74 77
SECTION 8.0 – ADDITIONAL INFORMATION	79
SECTION 9.0 – BIBLIOGRAPHY AND REFERENCES	80
<u>Figures</u>	_
	<u>Page</u>
Figure 1: FIRM Panel Index Figure 2: FIRM Notes to Users Figure 3: Map Legend for FIRM Figure 4: Floodway Schematic Figure 5: Wave Runup Transect Schematic Figure 6: Coastal Transect Schematic Figure 7: Frequency Discharge-Drainage Area Curves Figure 8: 1% Annual Chance Total Stillwater Elevations for Coastal Areas Figure 9: Transect Location Map	8 9 12 23 26 28 37 51 58
<u>Tables</u>	Dogo
	<u>Page</u>
Table 1: Listing of NFIP Jurisdictions Table 2: Flooding Sources Included in this FIS Report Table 3: Flood Zone Designations by Community Table 4: Coastal Barrier Resources System Information Table 5: Basin Characteristics Table 6: Principal Flood Problems Table 7: Historic Flooding Elevations Table 8: Non-Levee Flood Protection Measures Table 9: Levees Table 10: Summary of Discharges Table 11: Summary of Non-Coastal Stillwater Elevations Table 12: Stream Gage Information used to Determine Discharges	3 17 29 30 31 31 32 32 36 38
Table 13: Summary of Hydrologic and Hydraulic Analyses Table 14: Roughness Coefficients	44 49

## **TABLE OF CONTENTS - continued**

Table 15: Summary of Coastal Analyses	50
Table 16: Tide Gage Analysis Specifics	52
Table 17: Coastal Transect Parameters	55
Table 18: Summary of Alluvial Fan Analyses	59
Table 19: Results of Alluvial Fan Analyses	59
Table 20: Countywide Vertical Datum Conversion	60
Table 21: Stream-Based Vertical Datum Conversion	61
Table 22: Base Map Sources	62
Table 23: Summary of Topographic Elevation Data used in Mapping	63
Table 24: Floodway Data	66
Table 25: Flood Hazard and Non-Encroachment Data for Selected Streams	66
Table 26: Summary of Coastal Transect Mapping Considerations	68
Table 27: Incorporated Letters of Map Change	72
Table 28: Community Map History	74
Table 29: Summary of Contracted Studies Included in this FIS Report	74
Table 30: Community Meetings	78
Table 31: Map Repositories	79
Table 32: Additional Information	80
Table 33: Bibliography and References	81

#### Volume 2 Exhibits

Flood Profiles  Horsepen Creek  North Fork Swamp  Shingle Swamp  St. Marys River  Temple Creek	<u>Panel</u> 01-03 P 04 P 05 P 06 P 07-10 P
Transect Profiles Transect 1 Transect 2 Transect 3 Transect 4 Transect 5 Transect 6 Transect 7 Transect 8 Transect 9 Transect 10 Transect 11 Transect 12 Transect 12 Transect 13 Transect 14 Transect 15 Transect 16	Panel 01-11 P 12-19 P 20-23 P 24-26 P 27-29 P 30-32 P 33-35 P 36-38 P 39-41 P 42-44 P 45-50 P 51-56 P 57-62 P 63-69 P 70-75 P 76-80 P
Transect 17	81-85 P

## **TABLE OF CONTENTS - continued**

#### Volume 3 Exhibits

Transect Profiles	<u>Panel</u>
Transect 18	86-90 P
Transect 19	91-95 P
Transect 20	96-100 P
Transect 21	101-106 P
Transect 22	107-112 P
Transect 23	113-118 P
Transect 24	119-123 P
Transect 25	124-129 P
Transect 26	130-135 P
Transect 27	136-142 P
Transect 28	143-150 P
Transect 29	151-157 P
Transect 30	158-165 P
Transect 31	166-169 P
Transect 32	170-174 P
Transect 33	175-180 P

# Volume 4 Exhibits

Transect Profiles	<u>Panel</u>	
Transect 34	181-189 P	
Transect 35	190-196 P	
Transect 36	197-203 P	
Transect 37	204-209 P	

#### **Published Separately**

Flood Insurance Rate Map (FIRM)





























































































































































































